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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/765,539 01/19/2001		Hyung-joon Kwon	8021-28 (SS-14984-US)	1424	
75	90 11/19/2003	EXAMI	EXAMINER		
Frank Chau, E	•	TORRES, Jo	TORRES, JOSEPH D		
F. CHAU & ASSOCIATES, LLP					
Suite 501		ART UNIT	PAPER NUMBER		
1900 Hempstead		2133	^		
East Meadow, 1	NY 11554		DATE MAILED: 11/19/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s). 7. 5) Notice of Informal Patent Application (PTO-152)	<u> </u>							
## Examiner ## Joseph D. Torres ## 2133 **The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE £ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. **are SIX (6) MONTHS from the nealing date of this communication. **after protection from you special dose is less than this (6) days, a sery whith the standary minerum of they (20) days will be considered limely. **are SIX (6) MONTHS from the mailing date of this communication. **after protection days replaced social is less than they of the standary minerum of they (20) days will be considered limely. **after protection days replaced social is less than they of the standary minerum of they (20) days will be considered limely. **after six (6) MONTHS from the mailing date of this communication. Fellows the special days with the standary minerum of they (20) days will be considered limely. **after six (6) MONTHS from the mailing date of this communication. Fellows the special days will be standary minerum of they (20) days will be considered limely. **after six (6) MONTHS from the mailing date of this communication. Fellows the special days will be standary date of the communication. **after six (6) MONTHS from the mailing date of this communication. Fellows the special days will be standary date of the secondary days will be secondary. **after six (6) MONTHS from the mailing date of the secondary days will be secondary days will be secondary days will be secondary days will be secondary. **after six (6) MONTHS from the mailing date of the secondary days will be secondary days will be secondary days will be secondary days will be secondary. **after six (6) MONTHS from the mailing date of the secondary days will be secondary day				Application No.		Applicant(s)	\mathcal{U}	
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12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78. a) The translation of the foreign language provisional application has been received. 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78. Attachment(s) 1) Notice of References Cited (PTO-892) Notice of Braftsperson's Patent Drawing Review (PTO-948) 5) Notice of Informal Patent Application (PTO-152) Hotoral Patent Application (PTO-152) Hotoral Patent Application (PTO-152)			,					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 6) Other:	12) Acknowled a) All b) 1 1. Certi 2. Certi 3. Copi appli * See the attai 13) Acknowledge since a speci 37 CFR 1.78 a) The tra 14) Acknowledge	gment is made of a claim Some * c) None of: ified copies of the priority of ified copies of the priority of ies of the certified copies of ication from the Internation ched detailed Office action ment is made of a claim for ific reference was included inslation of the foreign lan ment is made of a claim for	documents of documents of the priority nal Bureau (in for a list of or domestic d in the first guage provi	have been rece have been rece y documents ha (PCT Rule 17.2) If the certified co priority under 3 sentence of the isional application priority under 3 sentence of the priority under 3 sentence of the sentence of the priority under 3 sentence of the sentence of the priority under 3 sentence of the priority under 3 sentence of the sen	ived. ived in Application ive been receive (a)). pies not receive 5 U.S.C. § 119(e) specification or on has been receive 5 U.S.C. §§ 120	on No d in this National d.) (to a provisional in an Application eived. and/or 121 since	l application) Data Sheet. a specific	
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 5) Notice of Informal Patent Application (PTO-152) 6) Other:	Attachment(s)							
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DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 1-16, drawn to Memory Access for Error Correction Coded Data Stored on Disks with Particular Steps for Producing Demodulated Data, classified in class 714, subclass 769.
- II. Claims 17-20, drawn to an Adaptive Means for Adjusting between the Number of Errors and Erasures during Decoding of an Error Correction Coded Data, classified in class 714, subclass 774.

The inventions are distinct, each from the other because of the following reasons:

Inventions Group I, Memory Access for Error Correction Coded Data Stored on Disks with Particular Steps for Producing Demodulated Data, and Group II, Adaptive Means for Adjusting between the Number of Errors and Erasures during Decoding of an Error Correction Coded Data, are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention Group I, Memory Access for Error Correction Coded Data Stored on Disks with Particular Steps for Producing Demodulated Data, has separate utility such as in Memory Access for Error Correction Coded Data Stored on Disks producing demodulated data by a means different from the particular steps required by the claims 1-16 of Group I (for example; an arbitrary symbol)

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such as the received symbol can be used in place of the erasure symbol required in the particular steps for producing demodulated data in claims 1-16 of Group I). See MPEP § 806.05(d).

Inventions Group II, Adaptive Means for Adjusting between the Number of Errors and Erasures during Decoding of an Error Correction Coded Data, and Group I, Memory Access for Error Correction Coded Data Stored on Disks with Particular Steps for Producing Demodulated Data, are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention Group II, Adaptive Means for Adjusting between the Number of Errors and Erasures during Decoding of an Error Correction Coded Data, has separate utility such as in adaptive error correction whereby the number of erasures versus errors is variable. See MPEP § 806.05(d).

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group II, restriction for examination purposes as indicated is proper.

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Because these inventions are distinct for the reasons given above and the search required for Group II is not required for Group I, restriction for examination purposes as indicated is proper.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

A telephone call was made to Eric M. Parham on 17 November 2003 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph D. Torres whose telephone number is (703) 308-7066. The examiner can normally be reached on M-F 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Albert Decady can be reached on (703) 305-9595. The fax phone number for the organization where this application or proceeding is assigned is (703) 746-7239.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)-746-7240.

Joseph D. Torres, PhD Art Unit 2133